

File 351:Derwent WPI 1963-2002/UD,UM &UP=200261

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DIALOG(R)File 351:Derwent WPI

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Type-specific Eimeria antigen prepn. - using an additional high-pressure liq. chromatography stage after the sterile oocysts have been homogenised and exposed to ultrasound

Patent Assignee: LENGD EPIDEMIOLOGY MICROBIOL RES INST (LEEP-R)

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Abstract (Basic): RU 2019189 C

Eimeria antigens can be produced with increased activity and specificity by adding a high-pressure liq. chromatography stage to the process. After sterile sporulated oocysts have been obtd. in the usual way, then homogenised and exposed to ultrasound, sepn. is carried out using a grafted diol silica gel at 100 atmos., with an elution rate of 0.5 ml/min. at 4deg.C. The fractions with mol.wt. in the 100-200 kDa range are used as the antigen prepn.

USE - The method is used in veterinary science, esp. for obtaining antigen prepn.

ADVANTAGE - Crossover reactions with heterologous serums are reduced by a factor of 2-3 compared to the known technique.

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